

What is claimed is;

1. A leg shocking device for pedestrian protection test to determine from a state of load applied to a pedestrian which an automobile collides against a degree of assault on a leg of said pedestrian, characterized by  
5 comprising a bendable knee part, a thigh part and a lower thigh part, both of which have a predetermined length and are connected to said knee part, said thigh part and said lower thigh part formed of a bend-deformable cylindrical body having a plurality of annular bone outer members connected to each other in a longitudinal direction and a bend-deformable bone core member  
10 inserted into and secured to the deformable cylindrical body of each of said thigh part and said lower thigh part and having a plurality of distortion gauges mounted thereon in a longitudinal direction and each of said bone outer members having an accelerometer provided thereon for measuring an acceleration occurring on said corresponding bone outer member.

15 2. A leg shocking device for pedestrian protection test as set forth in claim 1 and wherein a buffer member is disposed between said bone outer members and said bone core member.

3. A leg shocking device for pedestrian protection test as set forth in claim 1 and wherein said bone core members are of a square plate whereby a  
20 direction of bending is limited only to one direction.

4. A leg shocking device for pedestrian protection test as set forth in claim 1 and wherein said knee part has a thigh side knee member and a lower thigh side knee member engaging with each other on their engagement faces and has a ligament restriction mechanism, said knee part further  
25 comprising displacement meters provided on said thigh side knee member and said lower thigh side knee member, respectively to measure a displacement quantity of said ligament restriction mechanism and a compression load meter provided on said engagement faces to measure a

compression load applied thereto.

5

10

15

20

25